SONY

2-635-691-12 (1)

Trinitron Color TV

Operating Instructions

GB

- Before operating the unit, please read this manual thoroughly and retain it for future reference

WEGA

KV-HV21

F83A
F80

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A Specifications

	KV-HV21F83A	KV-HV21F80	Note
Power requirements	110-240 V AC, 50/60 Hz		
Power consumption (W)	Indicated on the rear of the TV		
Television system	B/G, I, D/K, M		
Color system	PAL, PAL 60, SECAM, NTSC3.58, NTSC4.43		
Channel coverage			
B/G	VHF : E2 to E12 /UHF : E21 to E69 / CATV : S01 to S03, S1 to S41		
I	UHF : B21 to B68 /CATV : S01 to S03, S1 to S41		
D/K	VHF : C1 to C12, R1 to R12 / UHF : C13 to C57, R21 to R60 / CATV : S01 to S03, S1 to S41, Z1 to Z39		
M	VHF : A2 to A13 /UHF : A14 to A79 / CATV : A-8 to A-2, A to W+4, W+6 to W+84		
(Antenna)	75-ohm external terminal		
Audio output (Speaker)	3 W + 3 W	5 W + 5 W	
3D Woofer	9 W	—	
Number of terminal			
(Video)	Input: 2 Output: 1	Phono jacks; 1 Vp-p, 75 ohms	
(Audio)	Input: 3 Output: 1	Phono jacks; 500 mVrms	
(Component Video)	Input: 1	Phono jacks; Y: 1 Vp-p, 75 ohms, sync negative Cb: 0.7 Vp-p, 75 ohms Cr: 0.7 Vp-p, 75 ohms	
(Headphone)	Output: 1	Stereo minijack	
FM Radio			
Tuning Range	87.5-108.0 MHz		
Intermediate Frequency	10.7 MHz		
Picture tube	21 in.		
Tube size (cm)	54		Measured diagonally
Screen size (cm)	51		Measured diagonally
Dimensions (w/h/d, mm)	630 × 470 × 492	630 × 460 × 492	
Mass (kg)	27	25	

Design and specifications are subject to change without notice

http://www.sony.net/

B WARNING

- Dangerously high voltages are present inside the TV.
- TV operating voltage: 110 – 240 V AC.
- Do not plug in the power cord until you have completed making all other connections; otherwise a minimum leakage current might flow through the antenna and other terminals to ground.
- To avoid battery leakage and damage to the remote, remove the batteries from the remote if you are not going to use it for several days. If any liquid leaks from the batteries and touches your skin, immediately wash it away with water.

For your own safety, do not touch any part of the TV, the power cord and the antenna cable during lightning storms.

For children's safety, do not leave children alone with the TV. Do not allow children to climb onto it.

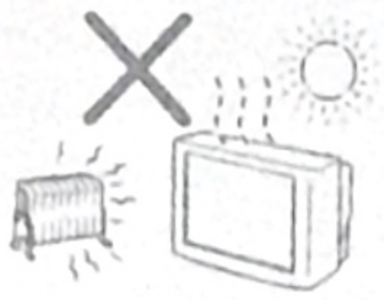
To prevent fire or shock hazard, do not expose the TV to rain or moisture.

Do not place any objects on the TV. The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.

Do not operate the TV if any liquid or solid object falls into it. Have it checked immediately by qualified personnel only.

Install the TV on a stable TV stand and floor which can support the TV set weight. Ensure that the TV stand surface is flat and its area is larger than the bottom area of the TV.

Do not block the ventilation openings of the TV. Do not install the TV in a confined space, such as a bookcase or built-in cabinet.



Your TV is recommended for home use only. Do not use the TV in any vehicle or where it may be subject to excessive dust, heat, moisture or vibrations.

Do not plug in too many appliances to the same power socket. Do not damage the power cord.

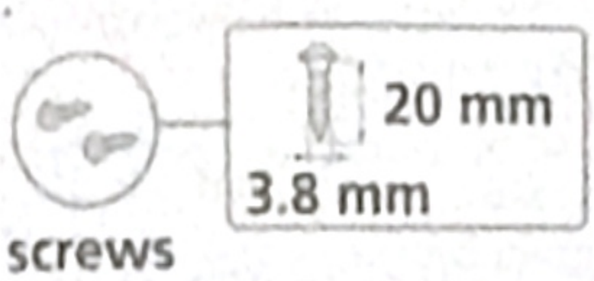
Do not open the cabinet and the rear cover of the TV as high voltages and other hazards are present inside the TV. Refer servicing and disposal of the TV to qualified personnel.

Clean the TV with a dry and soft cloth. Do not use benzine, thinner, or any other chemicals to clean the TV. Do not attach anything (e.g., adhesive tape, cellophane tape, glue) on the painted cabinet of the TV. Do not scratch the picture tube.

Pull the power cord out by the plug. Do not pull the power cord itself. Even if your TV is turned off, it is still connected to the AC power source (mains) as long as the power cord is plugged in. Unplug the TV before moving it or if you are not going to use it for several days.

C Securing the TV

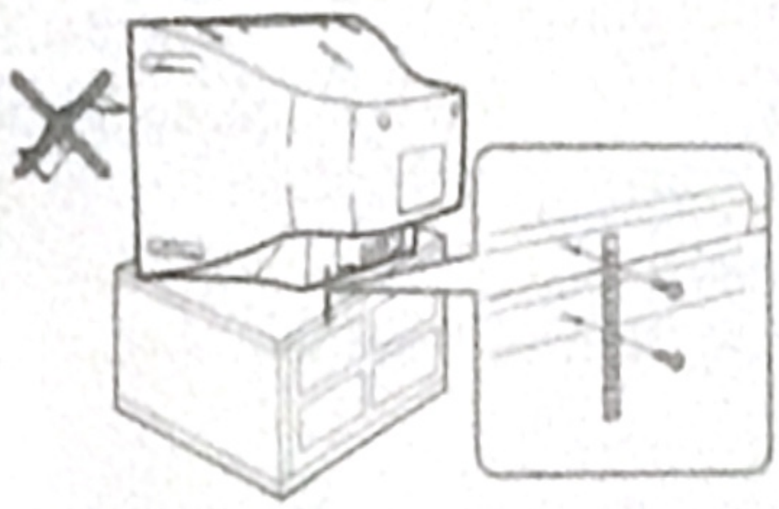
To prevent the TV from falling, use the supplied screws, clamps and band to secure the TV. Use only the supplied screws. Use of other screws may damage the TV.



screws

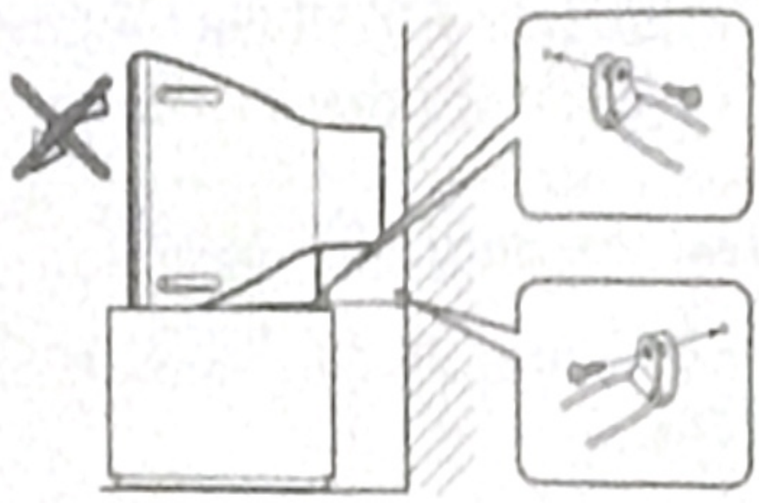
clamps

band



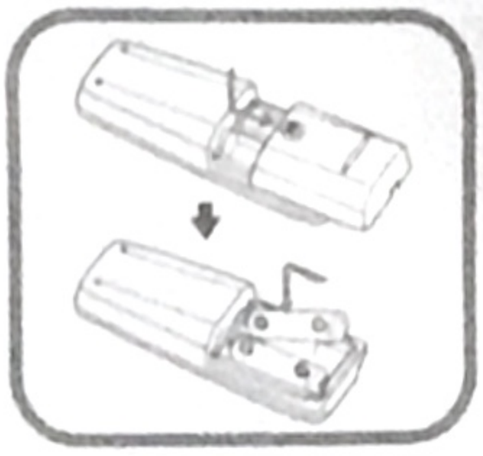
Screw the band to the TV stand and to the provided hole at the rear of your TV.

or



(1) Put a cord or chain through the clamps.
(2) Screw one clamp to a wall or pillar and the other clamp to the provided hole at the rear of your TV.

D Getting Started

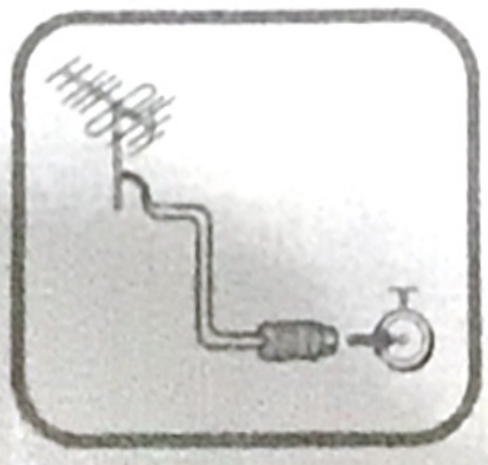


Step 1

Insert the batteries (supplied) into the remote.

Note

- Do not use old or different types of batteries together.

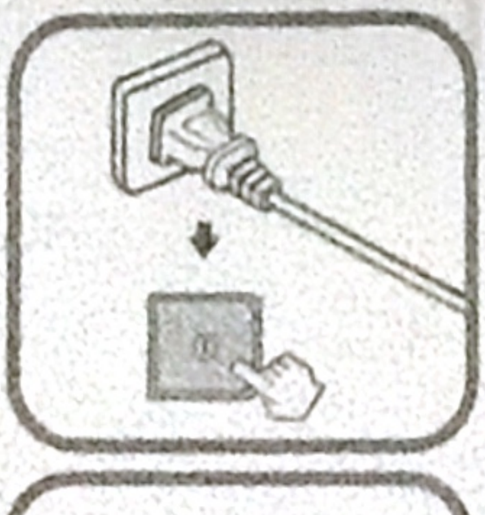


Step 2

Connect the antenna cable (not supplied) to ⅂⊢ (antenna input) at the rear of the TV.

Tips

- Your TV can receive both TV and FM radio signals from the appropriate connections through the ⅂⊢ (antenna input) terminal (see I).
- You can also connect your TV to other optional components (see I).



Step 3

Plug in the power cord, then press ⏻ on the TV to turn it on.

Note

- The ⏻ (standby) indicator flashes green for a few seconds when turning on the TV. This does not indicate a malfunction.

Step 4

Set up the TV by following the instructions of the "Initial Setup" menu (see E).

J Troubleshooting

If you find any problem while viewing your TV, you can either use the "Factory Settings" function or check the Troubleshooting guide below. If the problem persists, contact your Sony dealer.

"Factory Settings" function

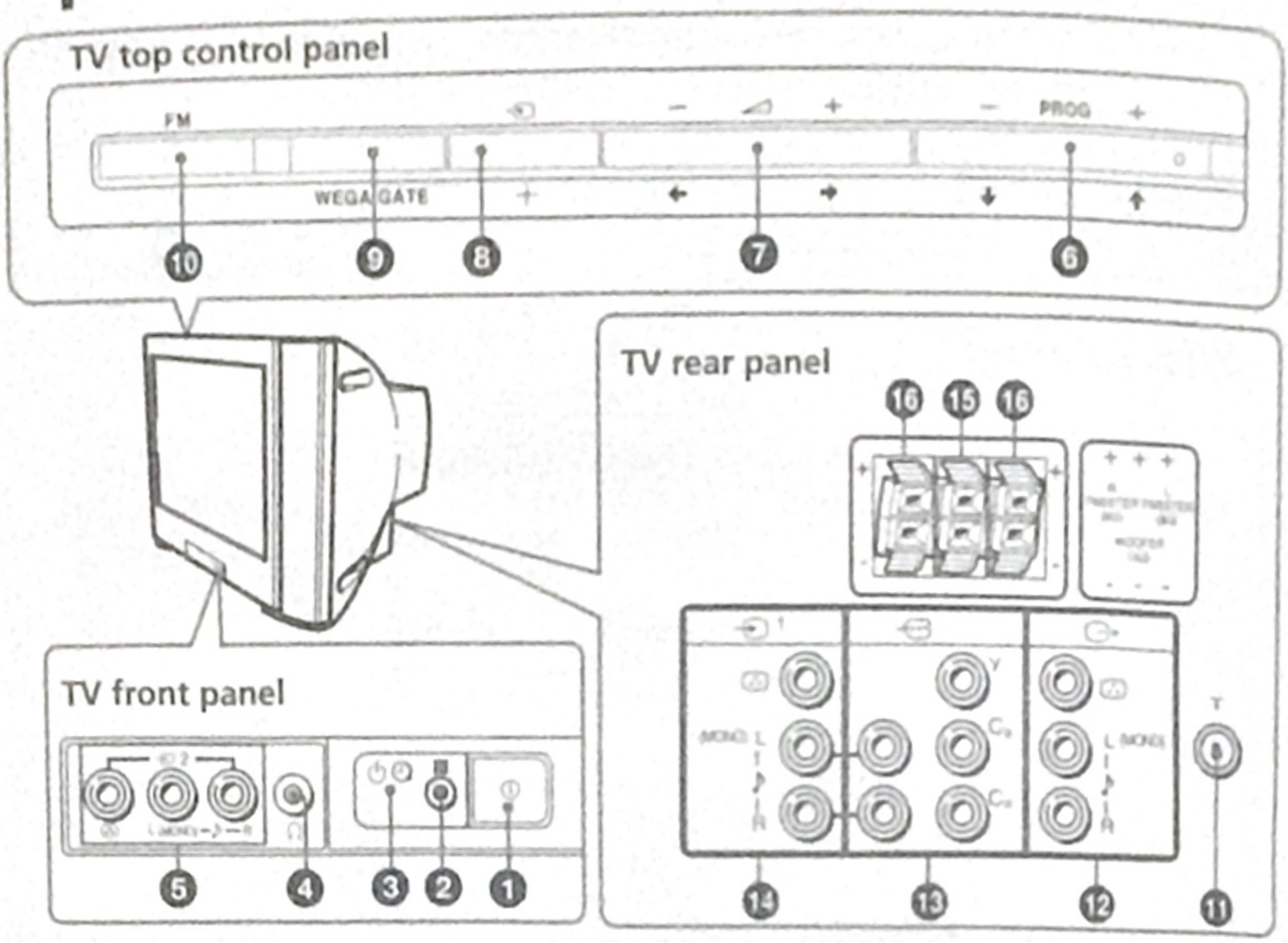
Press the WEGA GATE button. Choose "Settings" and go to "Setup" ( ) menu. From "Setup" menu, select "Factory Settings". Then select "Yes" and press ⊕. Your TV will go blank for a few seconds, then the "Initial Setup" menu will appear. Your TV will be set to factory settings, but certain problems may be solved.

Symptom	Solutions
Snowy picture, noisy sound	• Check the antenna cable and connection on the TV, VCR and at the wall (see 1). • Check the antenna setup. Contact a Sony dealer for advice. • Display the "Channel Setup" menu and select "Manual Program" to preset the channel again (see 12). • Display the "Channel Setup" menu and set the "Signal Booster" to "Auto" from "Manual Program" (see 12). • Try using an external booster.
Distorted picture, noisy sound	• Turn off or disconnect the external booster if it is in use. • Display the "Channel Setup" menu and set the "Signal Booster" to "Off" from "Manual Program" (see 12).
Good picture, noisy sound	• Display the "Channel Setup" menu and select the appropriate "TV System" from "Manual Program" (see 12).
No picture, no sound	• Check the power cord, antenna and VCR connections (see 1). • Press I/⏻ (power) to turn on the TV (see K). • Press ⏻ (main power) on the TV to turn off the TV for about five seconds, then turn it on again (see 3).
Good picture, no sound	• Press + to increase the volume level (see K). • Press 🔇 to cancel the muting (see K).
Dotted lines or stripes	• Do not use a hair dryer or other equipment near the TV. • Check the antenna setup. Contact a Sony dealer for advice.
Double images or "ghosts"	• Use a highly directional antenna. • Use the fine tuning ("Fine") function (see 12). • Check the antenna setup. Contact a Sony dealer for advice. • Turn off or disconnect the external booster if it is in use.
No color	• Display the "Picture" menu and select "Custom" from "Picture Mode" then adjust the "Color" level from "Picture Adjustment" (see 11). • Display the "Setup" menu and check the "Color System" setting (usually set this to "Auto") (see 12). • Check the antenna setup. Contact a Sony dealer for advice.

Troubleshooting (continued)

Symptom	Solutions
Picture slant	• Keep external speakers or other electrical equipment away from the TV. • Display the "Setup" menu and adjust "Picture Rotation" so that the picture position is optimal (see [9]).
Abnormal color patches	• Keep external speakers or other equipment away from the TV. Do not move the TV while the TV is turned on. Press ⏻ (main power) on the TV to turn off the TV for about 15 minutes, then turn it on again to demagnetize the TV.
TV cannot receive FM radio station.	• Connect a separate FM antenna and the TV channel source through an antenna selector (switch) to your TV (see [1]).
The ⏻ (standby) indicator on your TV flashes red several times after every three seconds.	• Count the number of times the ⏻ (standby) indicator flashes. Press ⏻ (main power) to turn off your TV. Contact your nearest Sony service center.
The TV screen sometimes goes blank for slightly longer than usual during channel change.	• The "Signal Booster" is functioning to detect a weak signal. This does not indicate a malfunction.
TV cabinet creaks.	• Changes in room temperature sometimes make the TV cabinet expand or contract, causing a noise. This does not indicate a malfunction.
A small "boom" sound is heard when the TV is turned on.	• The TV's demagnetizing function is working. This does not indicate a malfunction.

F TV top control, front and rear panels

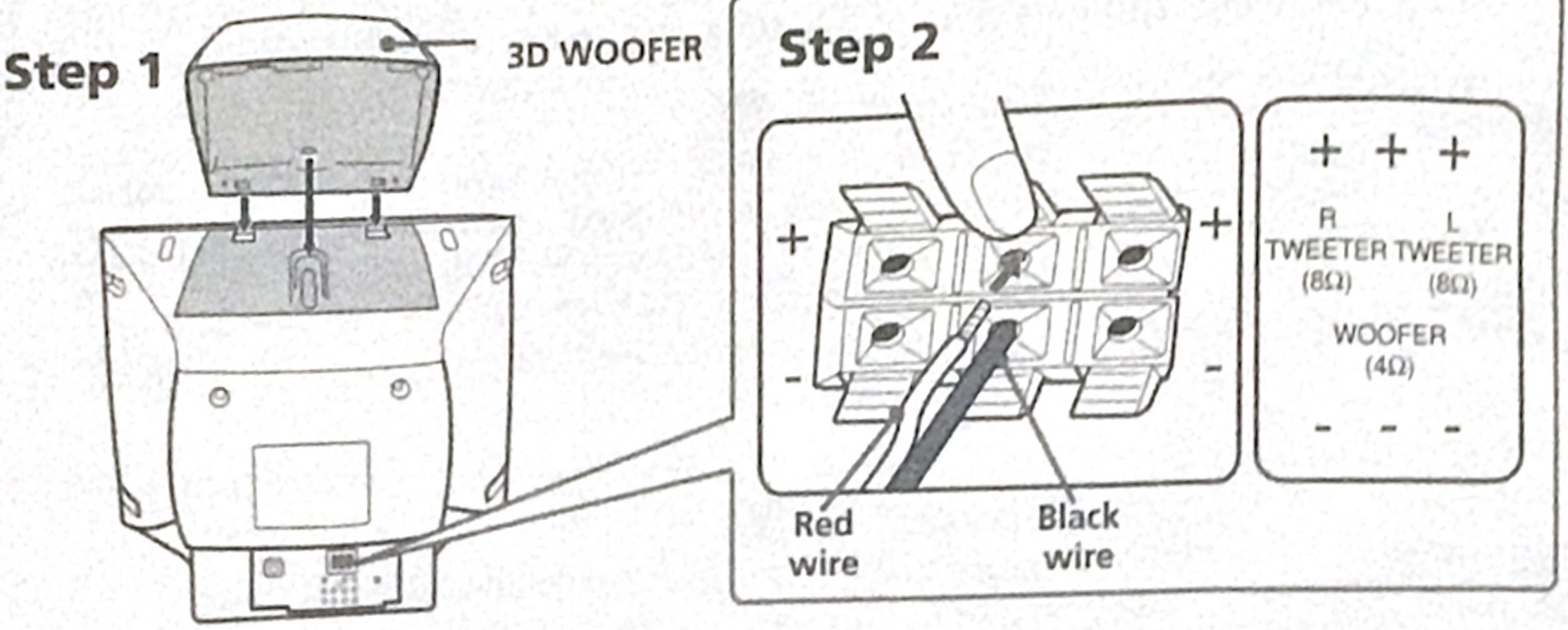


Button/Terminal	Function	See
❶ ⏻	Turn off or turn on the TV.	D
❷ R	Remote control sensor.	–
❸ 🕘	Wake Up indicator.	K
❸ ⏻	Standby indicator.	D
❹ 🎧	Headphone jack.	–
❺ →2	Video input terminal 2.	I
❻ PROG +/–	Select program number.	–
❼ ◿ +/–	Adjust volume.	–
❽ →	Select TV or video input.	I
WEGA GATE menu operations		
❻,❼ ↑,↓,←,→	Select and adjust items.	L
❽ +	Confirm selected items.	L
❾ WEGA GATE	Display or cancel WEGA GATE menu.	L
❿ FM	Listen to FM Radio.	R
⓫ Ⅎ	Antenna input terminal.	I
⓬ ⊂	Monitor output terminal.	I
⓭ ⊂	Component video input terminal.	I
⓮ →1	Video input terminal 1.	I
⓯ WOOFER (KV-HV21F83A only)	3D WOOFER terminal.	G
⓰ TWEETER (KV-HV21F83A only)	TWEETER terminal.	H

G Connecting the 3D WOOFER

▶ KV-HV21F83A only

You can enjoy high quality sound by connecting the 3D WOOFER as follows:



Notes

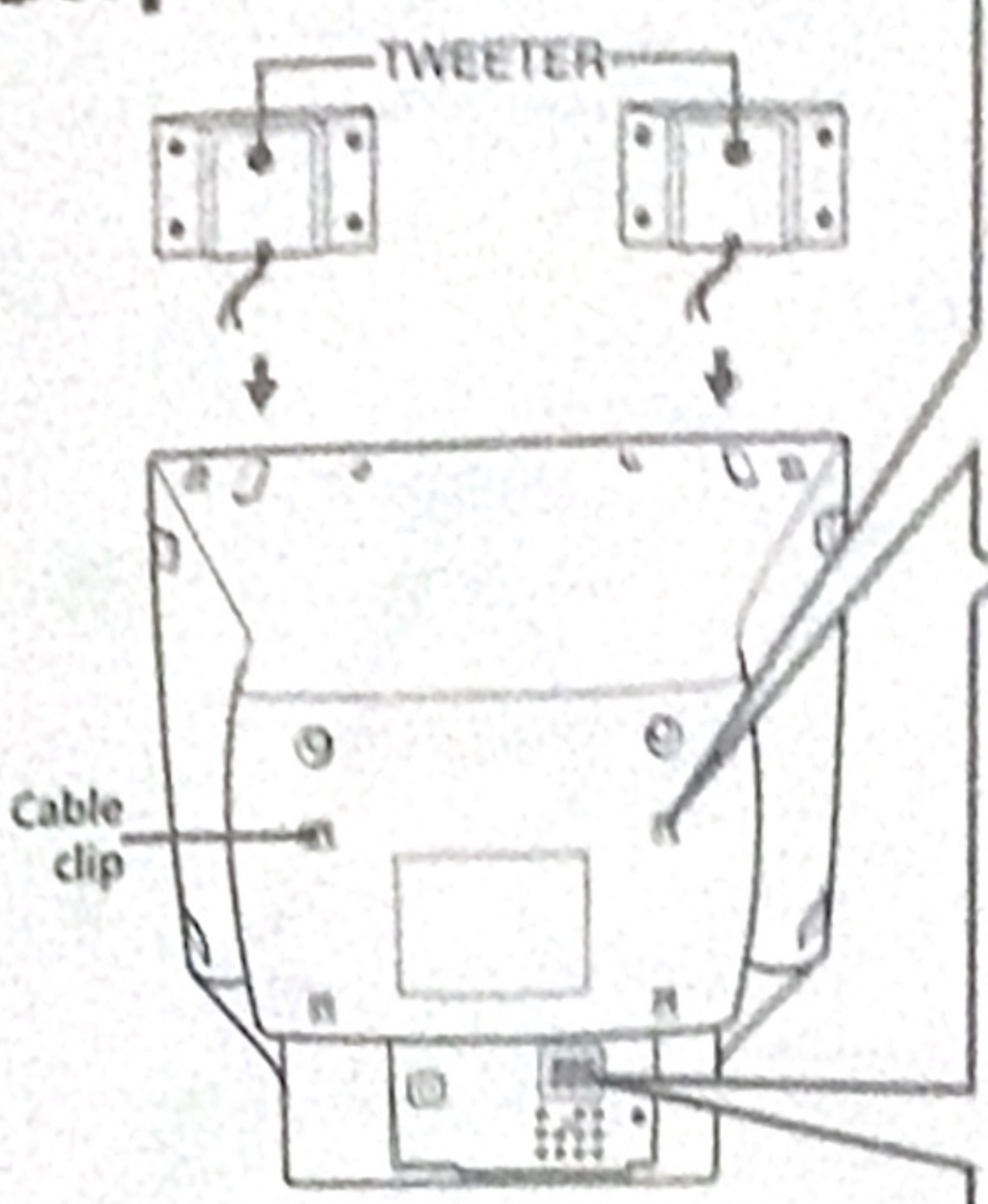
- Connect only the supplied 3D WOOFER; otherwise your TV may malfunction.
- Unplug your TV from the wall outlet when connecting the 3D WOOFER.
- To prevent a malfunction caused by a short circuit of the terminals, make sure that none of the 3D WOOFER wire strands stick out, making contact with the neighbouring 3D WOOFER terminal.

H Connecting the TWEETER

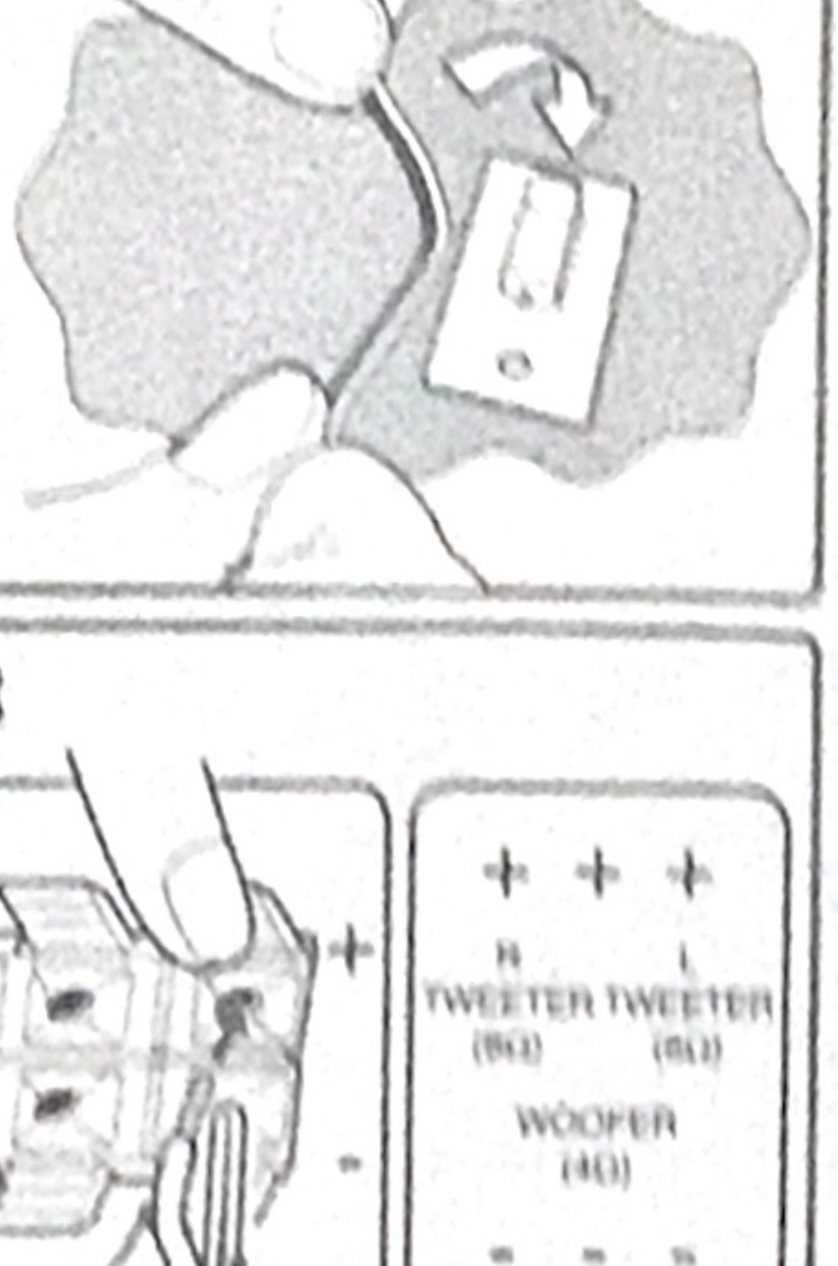
▶ KV-HV21F83A only

You can enjoy high quality sound by connecting the TWEETER as follow:

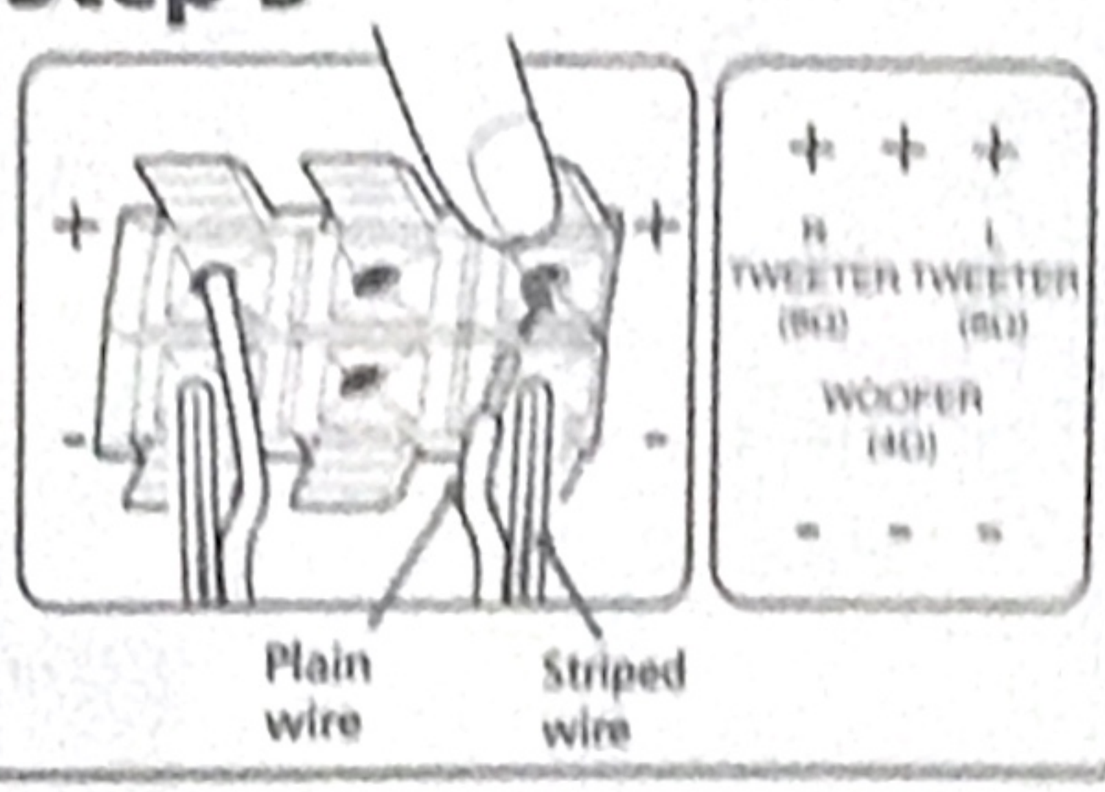
Step 1



Step 2



Step 3



1 Place the TWEETER on top of your TV.

2 Peel off the protective sheet at the bottom of the cable clips, stick the 6 cable clips on the rear of your TV and slide the wires through the cable clips.

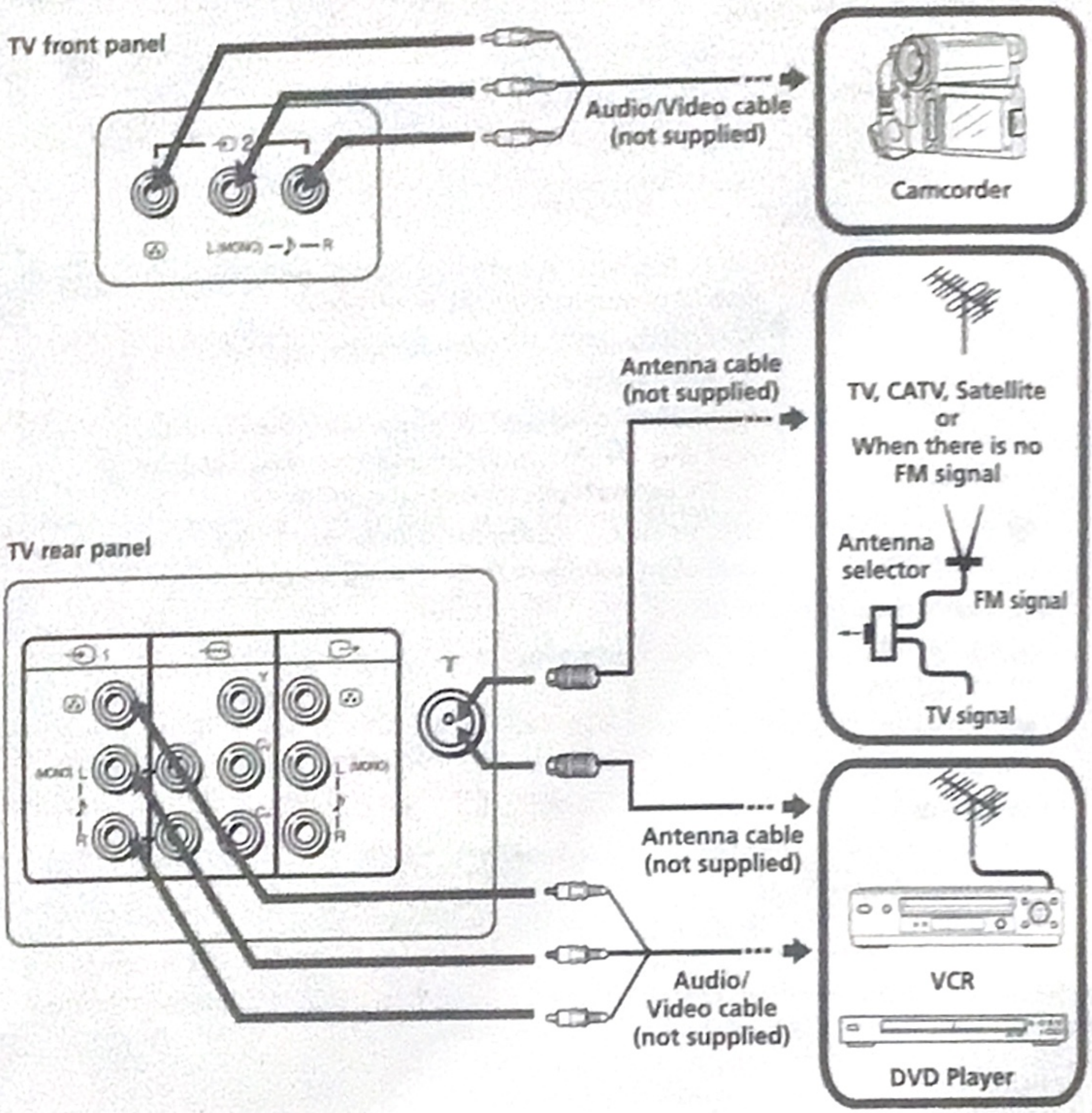
3 Connect the wires to the TWEETER terminals at the rear of your TV. The plain wire should be connected to the ⊕ R TWEETER gray terminal for right TWEETER, ⊕ L TWEETER gray terminal for left TWEETER and both the striped wires to the respective ⊖ black terminals.

Notes

- Connect only the supplied TWEETER; otherwise your TV may malfunction.
- Unplug your TV from the wall outlet when connecting the TWEETER.
- To prevent a malfunction caused by a short circuit of the terminals, make sure that none of the TWEETER wire strands stick out, making contact with the neighbouring speaker terminal.

I Connecting optional components

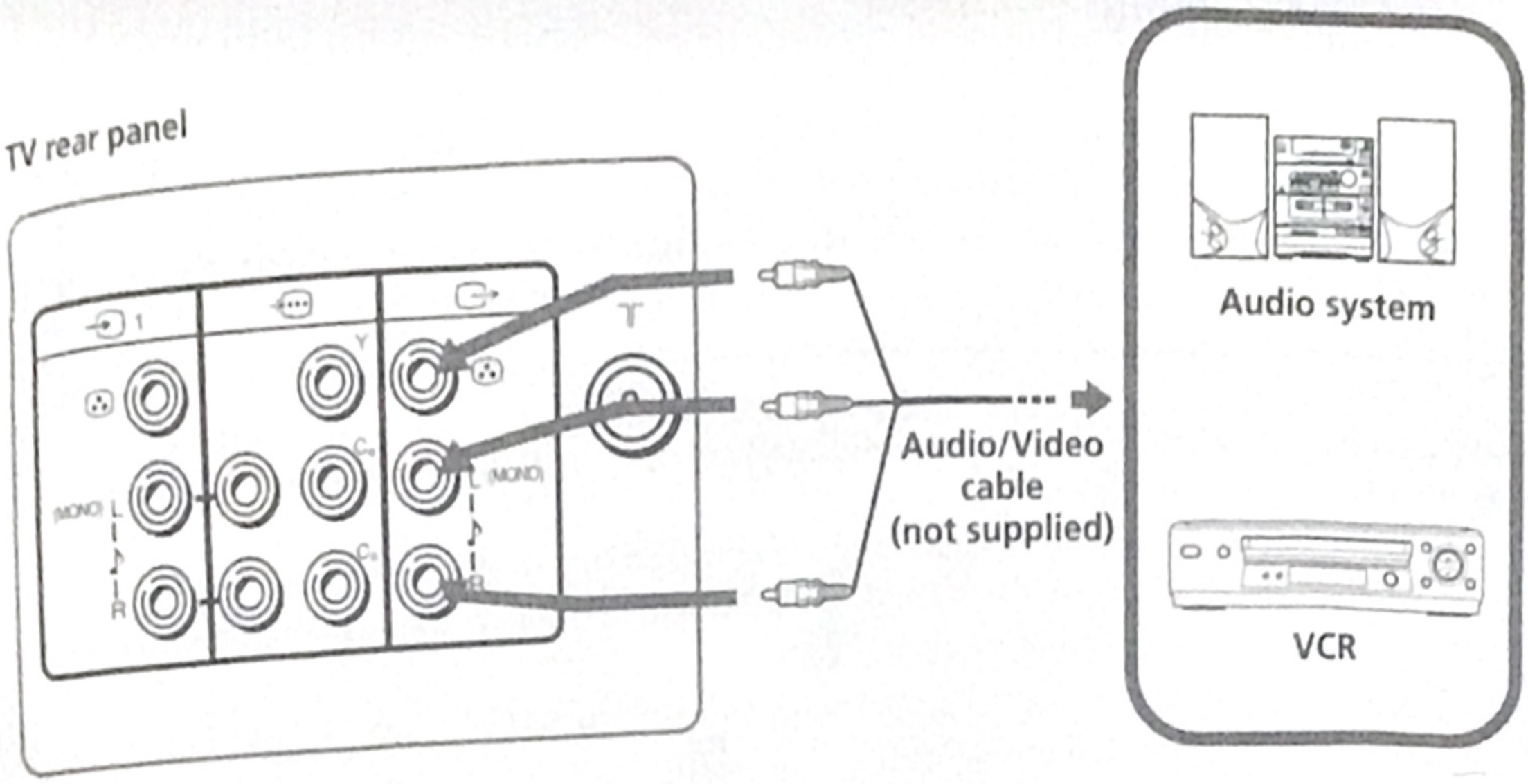
Connecting to the video input terminal ( )



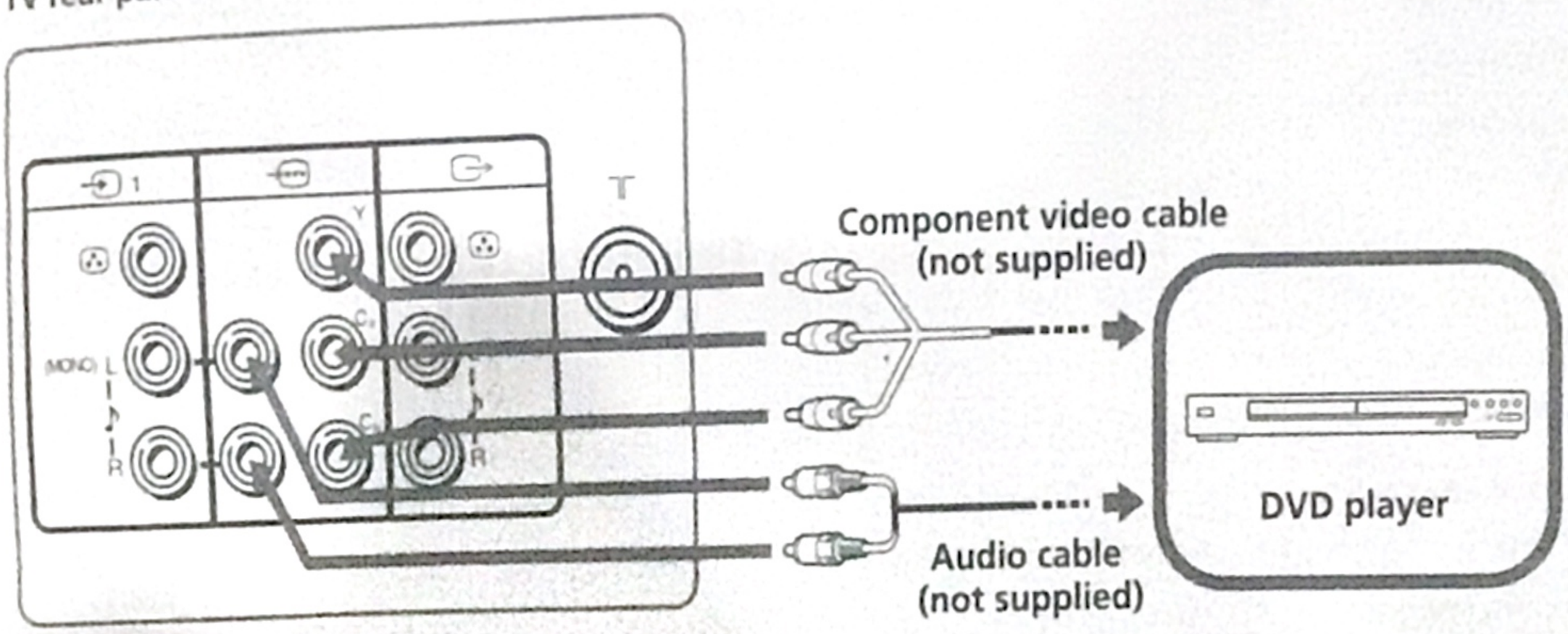
Note

- If you connect a VCR to T (antenna input), preset the signal output from the VCR to the program number 0 on the TV (see P).

Connecting to the monitor output terminal ( )



Connecting to the component video input terminal ( )



Notes

- If your DVD player can output interlace and progressive mode signals, select the interlace output when connecting to (component video input) on your TV. Your TV can receive either 525i/60Hz or 625i/50Hz interlace signals.
- The component video terminals on your DVD player are sometimes labeled Y/C_B/C_R, Y/P_B/P_R, Y/C_b/C_r or Y/B-Y/R-Y.
- If you select "DVD" on your TV screen, the signal from the (monitor output) jacks will not be output properly. This does not indicate a malfunction.

J Troubleshooting

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"Factory Settings" function

Press the WEGA GATE button. Choose "Settings" and go to "Setup" (🔧) menu. From "Setup" menu, select "Factory Settings". Then select "Yes" and press ⊕. Your TV will go blank for a few seconds, then the "Initial Setup" menu will appear. Your TV will be set to factory settings, but certain problems may be solved.

Symptom	Solutions
Snowy picture, noisy sound	• Check the antenna cable and connection on the TV, VCR and at the wall (see I). • Check the antenna setup. Contact a Sony dealer for advice. • Display the "Channel Setup" menu and select "Manual Program" to preset the channel again (see P). • Display the "Channel Setup" menu and set the "Signal Booster" to "Auto" from "Manual Program" (see P). • Try using an external booster.
Distorted picture, noisy sound	• Turn off or disconnect the external booster if it is in use. • Display the "Channel Setup" menu and set the "Signal Booster" to "Off" from "Manual Program" (see P).
Good picture, noisy sound	• Display the "Channel Setup" menu and select the appropriate "TV System" from "Manual Program" (see P).
No picture, no sound	• Check the power cord, antenna and VCR connections (see I). • Press I/⏻ (power) to turn on the TV (see K). • Press ⏻ (main power) on the TV to turn off the TV for about five seconds, then turn it on again (see F).
Good picture, no sound	• Press 🔊 + to increase the volume level (see K). • Press 🔇 to cancel the muting (see K).
Dotted lines or stripes	• Do not use a hair dryer or other equipment near the TV. • Check the antenna setup. Contact a Sony dealer for advice.
Double images or "ghosts"	• Use a highly directional antenna. • Use the fine tuning ("Fine") function (see P). • Check the antenna setup. Contact a Sony dealer for advice. • Turn off or disconnect the external booster if it is in use.
No color	• Display the "Picture" menu and select "Custom" from "Picture Mode" then adjust the "Color" level from "Picture Adjustment" (see N). • Display the "Setup" menu and check the "Color System" setting (usually set this to "Auto") (see Q). • Check the antenna setup. Contact a Sony dealer for advice.

Troubleshooting (continued)

Symptom	Solutions
Picture slant	• Keep external speakers or other electrical equipment away from the TV. • Display the "Setup" menu and adjust "Picture Rotation" so that the picture position is optimal (see).
Abnormal color patches	• Keep external speakers or other equipment away from the TV. Do not move the TV while the TV is turned on. Press ⏻ (main power) on the TV to turn off the TV for about 15 minutes, then turn it on again to demagnetize the TV.
TV cannot receive FM radio station.	• Connect a separate FM antenna and the TV channel source through an antenna selector (switch) to your TV (see).
The ⏻ (standby) indicator on your TV flashes red several times after every three seconds.	• Count the number of times the ⏻ (standby) indicator flashes. Press ⏻ (main power) to turn off your TV. Contact your nearest Sony service center.
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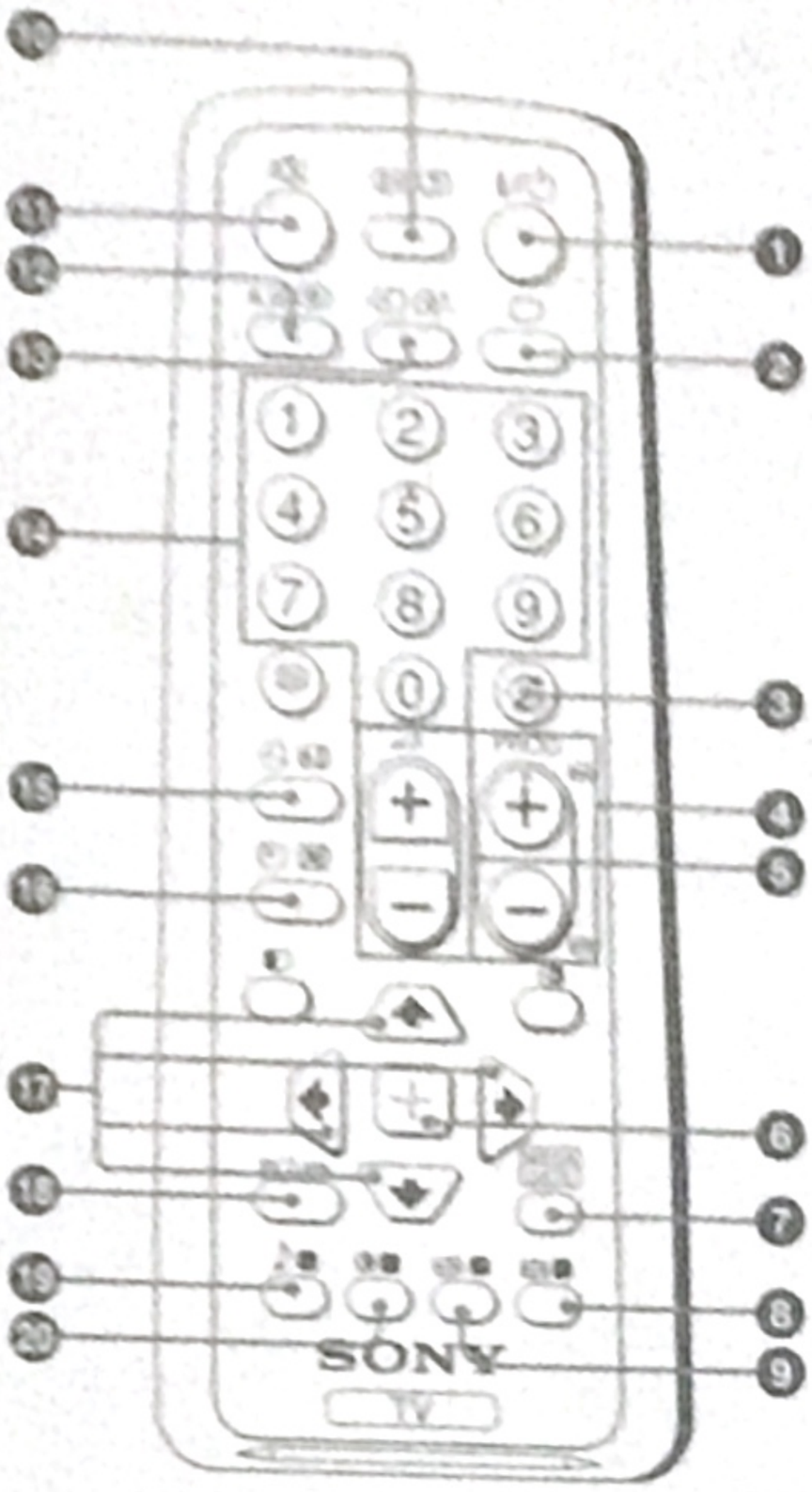
TV cabinet creaks.	• Changes in room temperature sometimes make the TV cabinet expand or contract, causing a noise. This does not indicate a malfunction.
A small "boom" sound is heard when the TV is turned on.	• The TV's demagnetizing function is working. This does not indicate a malfunction.

K Using the remote control and basic functions



Button	Description	See
❶ I/⏻	Turn off temporarily or turn on the TV.	–
❷ ▭	Display the TV program.	–
❸ ↺	Jump to last program number that has been watched for at least five seconds.	–
❹ PROG +/–	Select program number.	–
❺ 🔊 +/–	Adjust volume.	–
❽ ▦	Change the picture size: "On" (16:9 wide-mode), "Off".	–
❾ ⊙⊙	Select surround mode options: "On", "Simulated", "Off".	O
❿ i+	Display on-screen information.	–
⓫ 🔇	Mute the sound.	–
⓭ ⊡	Select TV or video input.	I
⓮ 0 – 9	Input numbers. For program numbers 10 and above, enter the second digit within two seconds.	–
⓳ ♪	Select sound mode options with a 5-Band Graphic Equalizer display: "Dynamic", "Standard", "Custom"*. * When the "Custom" mode is selected, you can receive the last adjusted sound settings from the "Sound Adjustment" option in the menu.	O
⓴ ☼	Select picture mode options: "Vivid", "Standard", "Custom"*. * When the "Custom" mode is selected, you can receive the last adjusted picture settings from the "Picture Adjustment" option in the menu.	N

Using the remote control and basic functions (continued)

Button	Description	See
WEGA GATE menu operations		
⑥ ⊕	Confirm selected items.	L
⑦ WEGA GATE	Display or cancel WEGA GATE menu.	
⑰ ↑, ↓, ←, →	Select and adjust items.	
⑱ RETURN	Return to the previous level.	
Timer operations		
⑮ (Wake Up Timer)	Set TV to turn on automatically according to the desired period of time (max. of 12 hours). The indicator on TV lights up amber once you set the wake up timer. If no buttons or controls are pressed for more than one hour after the TV is turned on using the wake up timer, the TV automatically goes into standby mode.	–
⑯ (Sleep Timer)	Set TV to turn off automatically according to the desired period of time (max. of one hour and 30 min.).	–
Teletext operations (green label)		
, , , , , , , , (red, green, yellow, blue)	Not function for your TV.	–
PIP operations		
, , ↑, ↓, ←, →	Not function for your TV.	–
Stereo/bilingual operations		
⑫ A/B	Not function for your TV.	–

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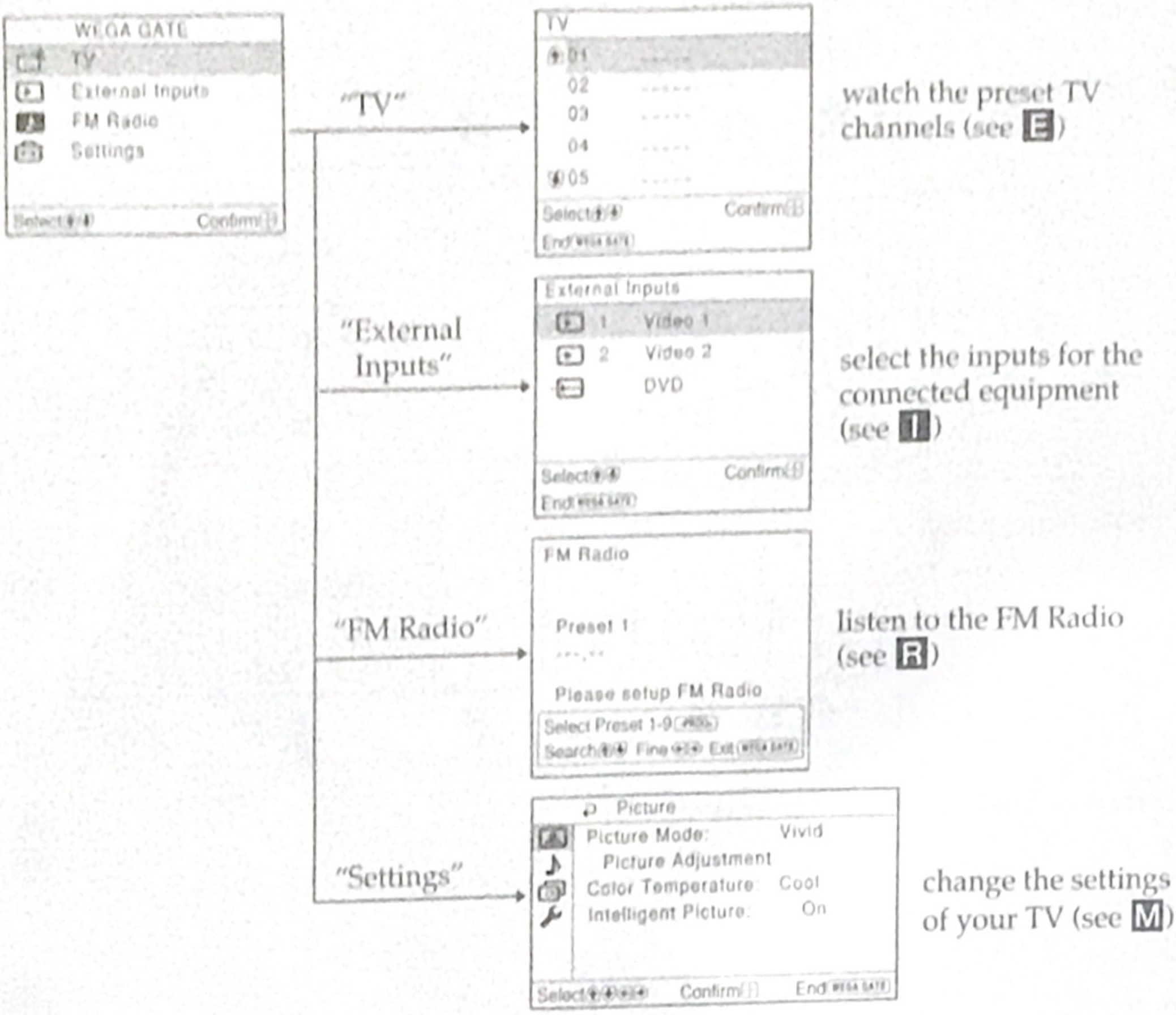
L Introducing the WEGA GATE navigator

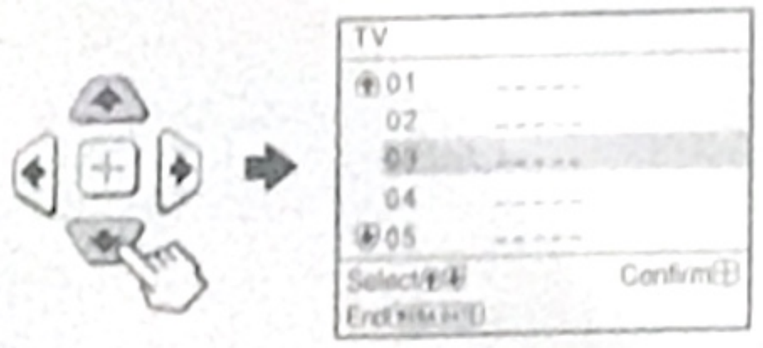
WEGA GATE is a gateway that allows you to access to preset TV channels, connected external inputs, FM Radio mode and "Settings" menu.



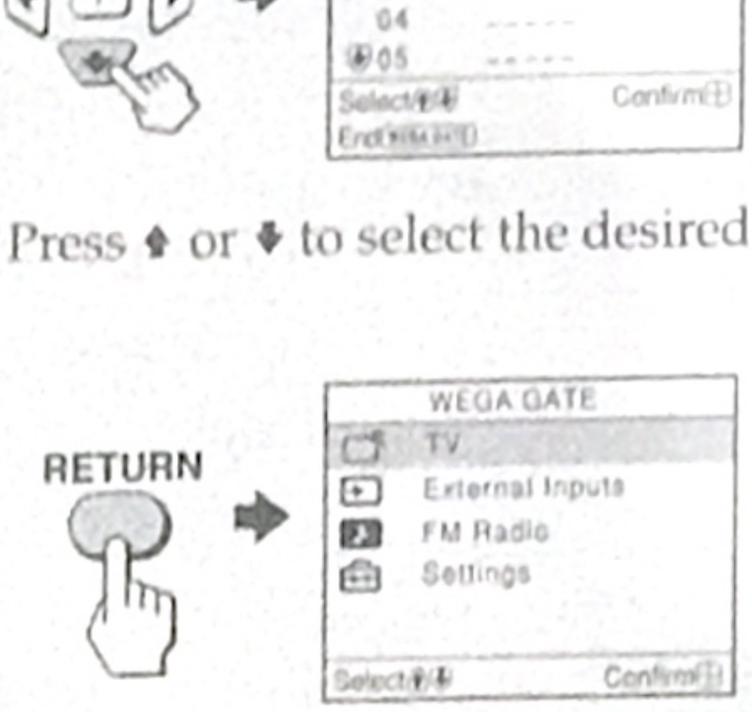
How to use WEGA GATE

(1) Press WEGA GATE to display or cancel the WEGA GATE menu.

(2) Press ⊕ (or →) to confirm your selection or go to the next level.



(3) Press ↑ or ↓ to select the desired item.



(4) Press RETURN to move to the previous level.

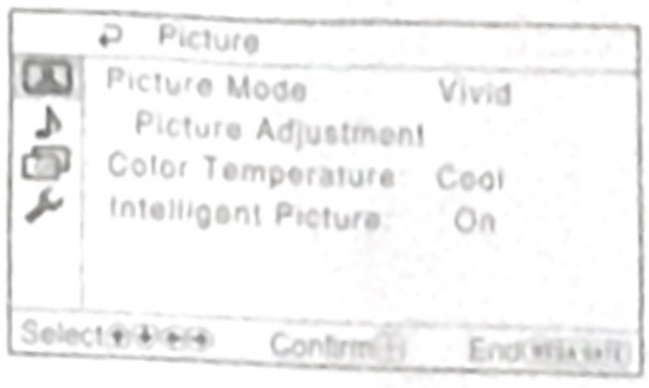
Tip

- The WEGA GATE, ⊕ and ↑,↓,←,→ buttons on the top control panel can also be used for the operations above.

M "Settings" Adjustment

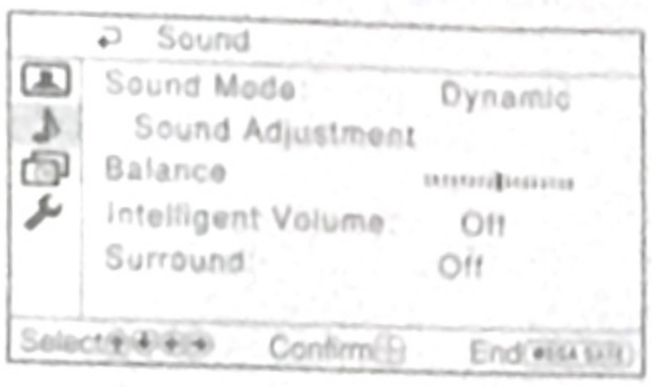
You are able to change the settings of your TV from "Settings" in WEGA GATE menu.
Press WEGA GATE button to display WEGA GATE menu. Press ↑ or ↓ to select "Settings" and press ⊕.

The following is an overview of the items that can be adjusted.



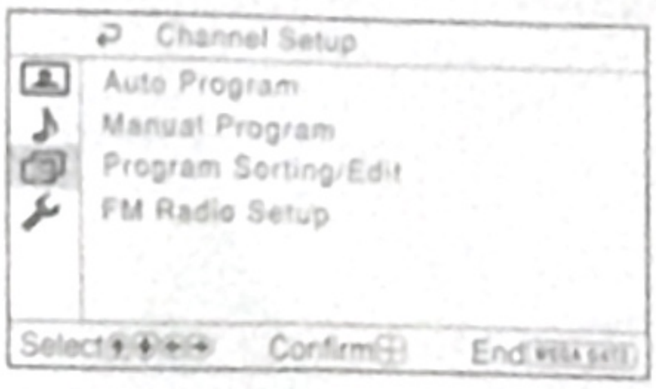
"Picture" (see N)

"Picture Mode": "Vivid" → "Standard" → "Custom"
"Picture Adjustment": "Picture", "Brightness", "Color", "Hue", "Sharpness", "Reset"
"Color Temparature": "Cool" → "Neutral" → "Warm"
"Intelligent Picture": "On" → "Off"



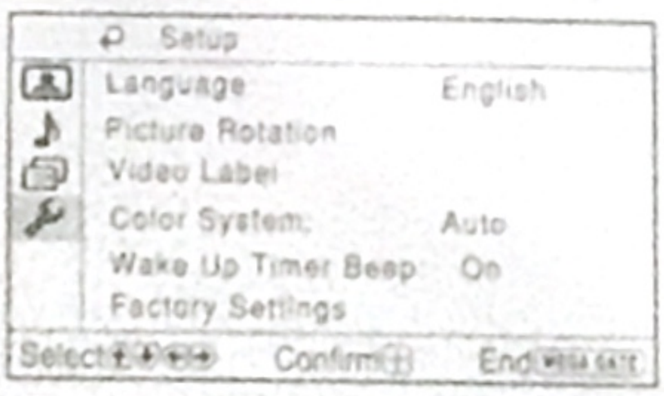
"Sound" (see O)

"Sound Mode": "Dynamic" → "Standard" → "Custom"
"Sound Adjustment": "Adjust", "Reset"
"Balance"
"Intelligent Volume": "On" → "Off"
"Surround": "On" → "Simulated" → "Off"



"Channel Setup" (see P)

"Auto Program"
"Manual Program"
"Program": "00" - "99"
"TV System": "B/G" → "I" → "D/K" → "M"
"VHF Low" / "VHF High" / "UHF"
"Fine": "Auto" → "Manual"
"Signal Booster": "Auto" → "Off"
"Program Sorting/Edit"
"FM Radio Setup"



"Setup" (see Q)

"Language": "English" → "عربي" (Arabic)
"Picture Rotation"
"Video Label": "Video Input", "Label"
"Color System": "Auto" → "PAL" → "SECAM" → "NTSC3.58" → "NTSC4.43"
"Wake Up Timer Beep": "On" → "Off"
"Factory Settings": "Yes" → "No"

Note

- When a feature is dimmed in the menu, it is not selectable.

N Changing the "Picture" setting

The "Picture" menu allows you to adjust the picture settings.

1 Press WEGA GATE and select "Settings".

2 Make sure the "Picture" icon ( ) is selected, then press ⊕.

3 Press ↑ or ↓ to select the desired item (e.g., "Picture Mode"), then press ⊕.

Select	To
"Picture Mode"	choose either "Vivid" (contrast and sharp), "Standard" (normal) or "Custom"*.
"Color Temperature"	adjust white color tint. Choose either "Cool" (blue tint), "Neutral" (neutral tint) or "Warm" (red tint).
"Intelligent Picture"	optimize picture quality. Press ↑ or ↓ to select "On", then press ⊕. To cancel, select "Off", then press ⊕.

* You can adjust the setting to your personal preference in the "Picture Adjustment" and "Color Temperature" options only when the "Custom" mode is selected.

Adjusting the "Picture Adjustment" items under "Custom" mode

1 Press ↑ or ↓ to select either "Picture" (contrast), "Brightness", "Color", "Hue" (color tones) or "Sharpness", then press ⊕.

Selecting "Reset" will set your TV to the factory settings.

2 Press ↑, ↓, ← or → to adjust the setting of your selected item, then press ⊕.

3 Repeat the above steps to adjust other items.

The adjusted settings will be received when you select "Custom".

Notes

- "Hue" can be adjusted for the NTSC color system only.
- Reducing "Sharpness" can also reduce picture noise.

O Changing the "Sound" setting

The "Sound" menu allows you to adjust the sound settings.

1 Press WEGA GATE and select "Settings".

2 Press ↑ or ↓ to select the "Sound" icon (♪), then press ⊕.

3 Press ↑ or ↓ to select the desired item (e.g., "Sound Mode"), then press ⊕.

Select	To
"Sound Mode"	choose either "Dynamic" (low and high tones), "Standard" (voice and high tones) or "Custom"*.
"Balance"	Press ↓ or ← to emphasize the left speaker. Press ↑ or → to emphasize the right speaker.
"Intelligent Volume"	adjust the volume of all program numbers and video inputs automatically. Press ↑ or ↓ to select "On", then press ⊕. To cancel, select "Off", then press ⊕.
"Surround"	choose either "On" (surround), "Simulated" (stereo-like monaural sound) or "Off".

* You can adjust the setting to your personal preference in the "Sound Adjustment" option only when the "Custom" mode is selected.

Adjusting the "Sound Adjustment" items under "Custom" mode

The 5-Band Graphic Equalizer feature allows you to adjust sound frequency settings of "Custom" mode in the menu.

1 Make sure that "Adjust" is selected, then press ⊕.

Selecting "Reset" will set your TV to the factory settings.

2 Press ← or → to select the desired sound frequency, then press ↑ or ↓ to adjust the setting and press ⊕.

The adjusted settings will be received when you select "Custom".

Notes

- Adjusting higher frequency will affect higher pitched sound and adjusting lower frequency will affect lower pitched sound.
- You may display the settings directly using the ♪ button on the remote control (see J).

P Changing the "Channel Setup" setting

The "Channel Setup" menu allows you to preset channels automatically, manually preset channels, sort or edit the channels and preset FM radio stations.

1 Press WEGA GATE and select "Settings".

2 Press ♦ or ♦ to select the "Channel Setup" icon (), then press ⊕.

3 Press ♦ or ♦ to select the desired item (e.g., "Auto Program"), then press ⊕.

Select	To
"Auto Program"	preset channels automatically.
"Manual Program"	manually preset desired channels and channels that cannot be preset automatically (see **Presetting channels manually**).
"Program Sorting / Edit"	change the order in which the channels appear on the screen, label the program number, skip the program number and block unwanted programs. (see step 3 of the section "Initial Setup" in E).
"FM Radio Setup"*	preset up to nine FM radio stations. You can manually preset each FM radio station that can be received in your area and then store the radio frequency of the desired FM radio stations. (1) Press ♦ or ♦ to select the desired FM radio station position, then press ⊕. (2) Press ♦ or ♦ to search the FM radio stations. Searching stops automatically when a station is tuned in. If the station has a weak signal, press ◆ or ◆ to fine tune the radio frequency manually, then press ⊕ to store the FM radio station. (3) You may edit the FM radio station label. Press ♦ or ♦ to select alphanumeric characters for the label, then press ⊕. (4) Repeat steps (1) through (3) to preset other FM radio stations. * The "FM Radio Setup" feature is only available in FM Radio mode. To enable this feature, access to FM Radio mode by using WEGA GATE system (see L) or pressing the FM button on the top control panel (see F), then preset your desired FM radio stations according to the steps mentioned above.

Notes

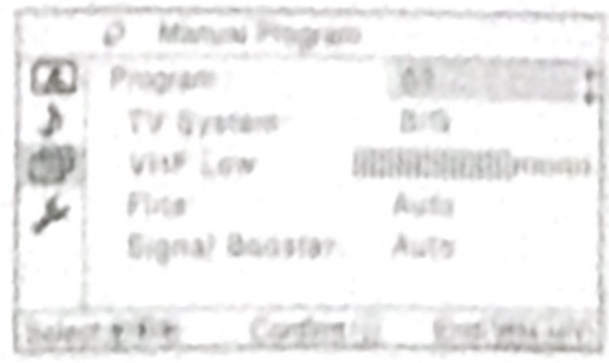
- If you preset a blocked program number, that program number will be unblocked automatically.
- If you sort a blocked program, that program will remain blocked.

Presetting channels manually

1 After selecting "Manual Program", select the program number to which you want to preset a channel.

(1) Make sure "Program" is selected, then press ⊕.

(2) Press ♦ or ♦ until the program number you want to preset appears on the menu, then press ⊕.



2 Select the desired channel.

(1) Make sure either "VHF Low", "VHF High" or "UHF" is selected, then press ⊕.

(2) Press ♦ or ♦ until the desired channel's broadcast appears on the TV screen, then press ⊕.

3 If the sound of the desired channel is abnormal, select the appropriate TV system.

(1) Press ♦ or ♦ to select "TV System", then press ⊕.

(2) Press ♦ or ♦ until the sound becomes normal, then press ⊕.

4 If you are not satisfied with the picture and sound quality, you may be able to improve them by using the "Fine" tuning feature.

(1) Press ♦ or ♦ to select "Fine", then press ⊕.

(2) Press ♦ or ♦ to select "Manual", then press ⊕.

(3) Press ♦, ♦, ♦ or ♦ until the picture and sound quality are optimal, then press ⊕.

The + or – icon on the menu flashes while tuning.

5 If the TV signal is too strong (picture distorted; picture with lines; signal interference) or weak (snowy picture), you may be able to improve the picture quality by setting the "Signal Booster" feature.

(1) Press ♦ or ♦ to select "Signal Booster", then press ⊕.

(2) Press ♦ or ♦ to select either "Off" (for picture distorted; picture with lines; signal interference) or "Auto" (for snowy picture), then press ⊕.

Changing the "Setup" setting

The "Setup" menu allows you to change the menu language, adjust the picture position, label the connected equipment, select the color system, set the wake up timer beep and reset your TV to factory settings.

1 Press WEGA GATE and select "Settings".

2 Press ↑ or ↓ to select the "Setup" icon ( ), then press ⊕.

3 Press ↑ or ↓ to select the desired item (e.g., "Language"), then press ⊕.

Select	To
"Language"	change the menu language. Press ↑ or ↓ to select either "English" or "عربي" (Arabic), then press ⊕.
"Picture Rotation"	adjust the picture position when it is not aligned with the TV screen. Press ← or → to adjust the picture position, then press ⊕.
"Video Label"	label the connected equipment. (1) Select "Video Input" and press ⊕. Press ↑ or ↓ to select the input you want to label, then press ⊕. (2) Select "Label" and press ⊕, then press ↑ or ↓ to select the label options: "Video 1"/"Video 2"/"DVD", "VCR", "SAT", "Game" or "Edit"*. * You may edit the video label to your favorite name. Press ↑ or ↓ to select alphanumeric characters for the label, then press ⊕.
"Color System"	select the color system. Press ↑ or ↓ to select either "Auto", "PAL", "SECAM", "NTSC3.58" or "NTSC4.43", then press ⊕. Normally, set this to "Auto".
"Wake Up Timer Beep"	allow your TV to emit beeping sound when TV switches on automatically using wake up timer. Press ↑ or ↓ to select "On", then press ⊕. To cancel, select "Off", then press ⊕.
"Factory Settings"	reset your TV to factory settings. Press ⊕ and press ↑ or ↓ to select "Yes", then press ⊕. To cancel, select "No", then press ⊕.

Notes

- Color system is not selectable in FM Radio mode.
- To ensure the beeping sound can be heard, you must set an appropriate volume level on your TV and make sure the TV is not in mute condition.
- To stop the beeping sound, press any buttons on the remote control or top control panel.
- If no button is pressed for three minutes, the beeping sound will automatically go off.

R Listening to the FM Radio

You are able to listen to the FM radio stations using your TV.

To access to FM Radio mode:
Press WEGA GATE button and select "FM Radio" (see R).

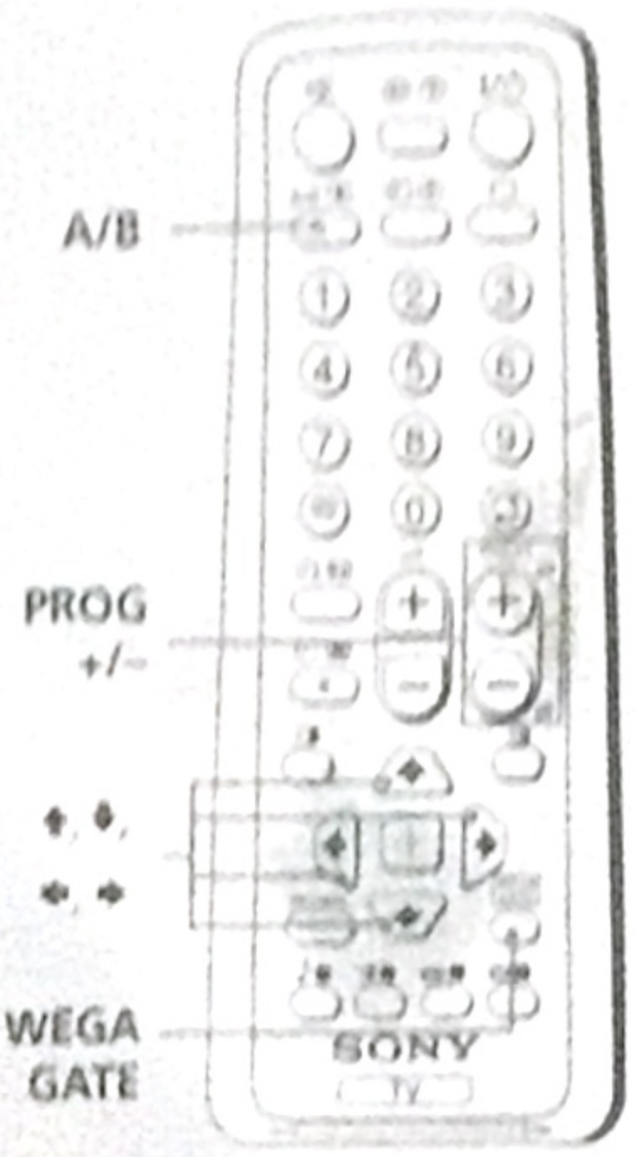
or

Press FM button on the top control panel (see R).

To exit from FM Radio mode:
Press WEGA GATE button, select the desired items: "TV" or "External Inputs", then press ⊕. Select the desired TV channel or external inputs and press ⊕.

or

Press FM button on the top control panel.



Listening to preset stations

1 Access to FM Radio mode.

2 Press WEGA GATE button and select "Settings". Preset the desired FM radio stations in "FM Radio Setup" from "Channel Setup" menu (see P).

3 Exit from "Channel Setup" menu by pressing WEGA GATE button. The selected preset FM radio station number and label will appear on the screen.
To select the desired preset FM radio station, press PROG +/–.

Tip

- You can also use the 1-9 buttons on the remote control to directly select the desired preset FM radio station.

Listening to non-preset stations

1 Access to FM Radio mode.

2 Press ↑ or ↓ to search for the desired FM radio station. The preset number and label will not be displayed.

3 If the station has a weak signal, press ← or → to fine tune the radio frequency manually.

Notes

- You can only operate ↑, ↓, ← and → functions using the remote control buttons in FM Radio mode.
- The available radio frequency is only for temporary listening pleasure and cannot be stored in the memory.
- If the message "Please setup FM Radio" appears, display the "Channel Setup" menu and select "FM Radio Setup" to preset the desired FM radio stations (see P).